

Title (en)

STORAGE TYPE BOILER HEAT EXCHANGING STRUCTURE FOR PREVENTING CONDENSATION

Title (de)

SPEICHERKESSEL-WÄRMETAUSCHSTRUKTUR ZUR VERHINDERUNG VON KONDENSATION

Title (fr)

STRUCTURE D'ÉCHANGE DE CHALEUR DE CHAUDIÈRE À ACCUMULATION EMPÊCHANT LA CONDENSATION

Publication

EP 2041500 A4 20131127 (EN)

Application

EP 07700820 A 20070103

Priority

- KR 2007000028 W 20070103
- KR 20060064436 A 20060710

Abstract (en)

[origin: WO2008007845A1] Disclosed is a heat exchanger of a non-condensing storage type boiler, and more particularly a heat exchanger of a storage type boiler, capable of preventing corrosion of a heat exchanger by greatly reducing the generation of condensate water on an outer surface of the heat exchanger in the storage type boiler. To this end, a spiral pipe is disposed in the heat exchanger (tubular object) of the storage type boiler, and thus cold inflow heating water passes through the spiral pipe and then enters into the tubular body. As a result, the low-temperature inflow heating water does not come into direct contact with exhaust gas.

IPC 8 full level

F24H 9/00 (2006.01); **F24H 1/28** (2006.01)

CPC (source: EP KR US)

F24H 1/287 (2013.01 - EP US); **F24H 1/40** (2013.01 - KR); **F24H 8/00** (2013.01 - KR); **F24H 9/0036** (2013.01 - EP KR US); **F24H 9/02** (2013.01 - KR); **F24H 9/2035** (2013.01 - KR); **Y02B 30/00** (2013.01 - EP)

Citation (search report)

- [X] KR 100596161 B1 20060705 - CHOI YOUNG HWAN [KR] & WO 2006135145 A1 20061221 - KITURAMI BOILER CO LTD [KR], et al
- [A] FR 1051056 A 19540113
- [A] DE 1111794 B 19610727 - GASGERAETE GES DIPL ING BARSCH
- [A] EP 0008568 A1 19800305 - BERNSTEIN LENNART
- See references of WO 2008007845A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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KR 2007000028 W 20070103; CN 200780027134 A 20070103; EP 07700820 A 20070103; JP 2009519358 A 20070103; KR 20060064436 A 20060710; US 30791507 A 20070103